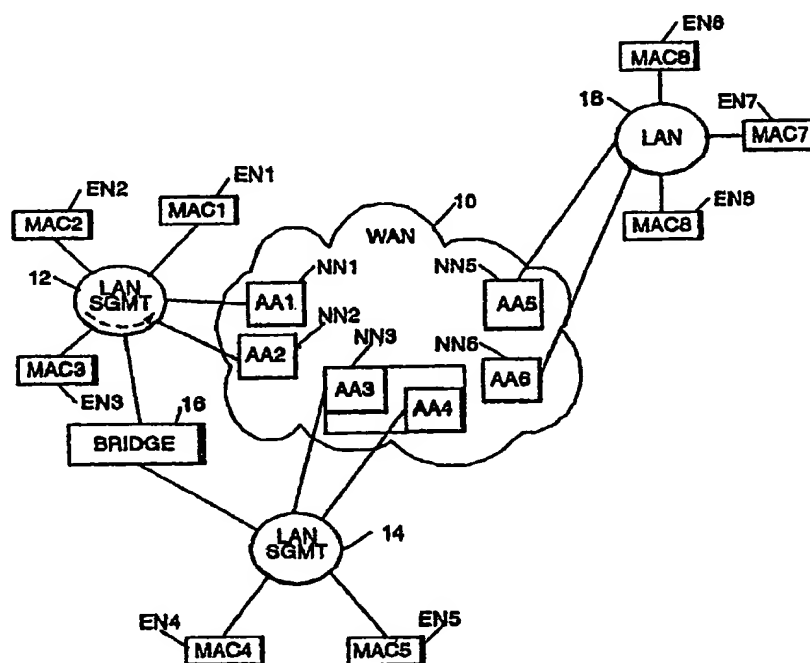




(11) (21) (C) **2,100,542**
(22) 1993/07/14
(43) 1994/05/17
(45) 1999/02/16

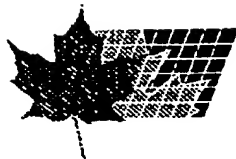
- (72) Derby, Jeffrey Haskell, US
(72) Doeringer, Willibald A., CH
(72) Drake, John Ellis Jr., US
(72) Dykeman, Douglas H., CH
(72) Li, Liang, US
(72) Peters, Marcia Lambert, US
(72) Sandick, Haldon J., US
(72) Vu, Ken Van, US
(73) INTERNATIONAL BUSINESS MACHINES CORPORATION, US
(51) Int. Cl. ⁶ H04L 12/66
(30) 1992/11/16 (976,826) US
(54) **FORMATION ET STABILISATION DES GROUPES D'ACCES A
UNE INTERFACE ENTRE UN RESEAU LOCAL ET UN
RESEAU LONGUE DISTANCE**
(54) **FORMING AND MAINTAINING ACCESS GROUPS AT THE
LAN/WAN INTERFACE**



(57) Des agents d'accès de noeuds à l'interface LAN/WAN sont regroupés de façon à pouvoir être gérés collectivement par le WAN. Le groupe doit maintenir l'intégrité de ses opérations, c'est-à-dire que si les communications entre les agents du groupe sont brisées,

(57) Access agents in nodes at the LAN/WAN interface are formed into a group of access agents so that the access agents may be managed by the WAN as a group. The group must maintain group operation integrity in that if communications between agents in the group are





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les agents d'accès se reconstitueront en sous-groupes et poursuivront l'exécution collective des tâches de communication. Chacun des agents d'accès contient un automate fini pour l'exécution des tâches de formation et de maintien de groupe. Pour grouper les agents d'accès interconnectés, un agent d'accès particulier est identifié comme chef de groupe. Tous les autres agents d'accès communiquant avec le chef de groupe à l'intérieur du LAN peuvent ensuite se joindre au groupe. Pour maintenir l'intégrité des activités du groupe, une rupture de l'intégrité de communication du groupe est détectée, puis le groupe est reconstitué en de multiples groupes plus petits; en outre, de petits groupes fusionnent en un large ensemble lorsqu'un pont est ajouté entre des segments du LAN.

broken, the access agents will coalesce into subgroups and continue performing communication jobs as a group activity. Each of the access agents contains a finite state machine to perform the tasks of group formation and maintenance. The formation of interconnected access agents into a group is accomplished by one access agent being identified as a group leader. All other access agents communicating with the group leader within the LAN may then join the group. The maintenance of group activity integrity is accomplished by detecting a break in group communication integrity and thereafter reforming the group into multiple smaller groups. The maintenance of group operation integrity also includes the merger of small groups into a large group when a bridge is added between LAN segments.



CANADIAN LAID-OPEN APPLICATIONS
August 31, 1997 - September 06, 1997

[52] [11]
 [51] Int.Cl. 6 H04L 29/06 H04L 12/24 H04L 12/66
 [54] NETWORK MANAGEMENT METHOD AND APPARATUS OF SAME AND NETWORK SYSTEMS
 [54] METHODE ET DISPOSITIF DE GESTION DE RESEAU, ET SYSTEMES DE RESEAU
 [72] MAEGAWA, Hirotoshi, Japan/Japon
 [71] Digital Vision Laboratories Corporation, Japan/Japon
 [21] **2,199,090** [22] 970304
 [43] 970905
 [30] Japan/Japon (8-47735) 960305

[52] [11]
 [51] Int.Cl. 6 E21B 49/00
 [54] METHOD FOR DETERMINING OIL CONTENT OF AN UNDERGROUND FORMATION USING WETCUTTINGS
 [54] METHODE DE DETERMINATION DU CONTENU EN HUILE D'UNE FORMATION SOUTERRAINE A L'AIDE DE DEBLAIS DE FORAGE HUMIDES
 [72] SPILKER, Kerry Kennedy, U.S.A./E.-U.
 [72] MCKINZIE, Howard Lee, U.S.A./E.-U.
 [72] DELAUNE, Patrick Lee, U.S.A./E.-U.
 [71] Texaco Development Corporation, U.S.A./E.-U.
 [21] **2,199,091** [22] 970304
 [43] 970905
 [30] U.S.A./E.-U. (08/637,892) 960426
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 [51] Int.Cl. 6 A47K 10/34
 [54] DISPENSER APPARATUS FOR DISPENSING PAPER SHEET MATERIAL
 [54] DISTRIBUTEUR POUR DISTRIBUER DU MATERIEL DE PAPIER EN FEUILLES
 [72] MOODY, John R., U.S.A./E.-U.
 [71] JAMES RIVER CORPORATION OF VIRGINIA, U.S.A./E.-U.
 [21] **2,199,092** [22] 970304
 [43] 970905
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 [51] Int.Cl. 6 C12N 9/12 C12P 19/30
 [54] NUCLEOTIDE-SUGAR-SYNTHESIZING ENZYMES FROM NONPARASITIC PROTISTS
 [54] ENZYMES DE SYNTHSE DE SUCRES ET DE NUCLEOTIDES ET PROVENANT DE PROTISTES NON PARASITAIRES
 [72] Kiy, Thomas, Germany (Federal Republic of)/Allemagne (République Fédérale d')
 [72] Elling, Lothar, Germany (Federal Republic of)/Allemagne (République Fédérale d')
 [72] Kula, Maria Regina, Germany (Federal Republic of)/Allemagne (République Fédérale d')
 [71] HOECHST AKTIENGESSELLSCHAFT, Germany (Federal Republic of)/Allemagne (République Fédérale d')
 [21] **2,199,093** [22] 970304
 [43] 970905
 [30] Germany (Federal Republic of)/Allemagne (République Fédérale d') (19608268.4) 960305

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 [51] Int.Cl. 6 C09B 57/00 C09B 48/00
 [54] TERNARY SOLID SOLUTIONS OF 1,4-DIKETOPYRROLOPYRROLES AND QUINACRIDONES
 [54] SOLUTIONS SOLIDES TERNAIRES DE DICETOPYRROLOPYRROLES ET DE QUINACRIDONES - 1,4
 [72] HAO, Zhimin, Switzerland/Suisse
 [72] HENDI, Shivakumar Basalingappa, U.S.A./E.-U.
 [72] BÄBLER, Fridolin, U.S.A./E.-U.
 [72] IQBAL, Abul, Switzerland/Suisse
 [71] CIBA SPECIALTY CHEMICALS HOLDING INC., Switzerland/Suisse
 [21] **2,199,094** [22] 970304
 [43] 970906
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 [51] Int.Cl. 6 A47L 15/48
 [54] DISHWASHER VENT SYSTEM
 [54] SORTIE D'AIR D'UN LAVE-VAISSELLE
 [72] ROSENGREN, Lars, U.S.A./E.-U.
 [72] TAYLOR, Marion Lee, Jr., U.S.A./E.-U.
 [71] White Consolidated Industries, Inc., U.S.A./E.-U.
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 [43] 970905
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 [51] Int.Cl. 6 H01M 10/54
 [54] PROCESS AND APPARATUS FOR RECOVERING COMPONENTS OF SEALED TYPE BATTERY
 [54] PROCESSUS ET DISPOSITIF POUR RECUPERER LES COMPOSANTS D'UNE PILE SCLEE
 [72] KOBAYASHI, Naoya, Japan/Japon
 [72] KAWAKAMI, Soichiro, Japan/Japon
 [72] ASAO, Masaya, Japan/Japon
 [71] Canon Kabushiki Kaisha, Japan/Japon
 [21] **2,199,096** [22] 970304
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 [30] Japan/Japon (355438/HEI.8) 961224
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 [51] Int.Cl. 6 H04Q 7/38 H04J 13/00
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 [54] PLAN DE SELECTION DE CELLULES DANS UN SYSTEME DE COMMUNICATION MOBILE AMRC, UTILISANT DES CODES D'ETALEMENT ET DES PHASES DE CODE D'ETALEMENT
 [72] ONOE, Seizo, Japan/Japon
 [72] OHNO, Kouji, Japan/Japon
 [72] NAKAMURA, Takehiro, Japan/Japon
 [72] NAKANO, Etsuhiro, Japan/Japon
 [71] NTT MOBILE COMMUNICATIONS NETWORK INC., Japan/Japon
 [21] **2,199,098** [22] 970304
 [43] 970906
 [30] Japan/Japon (P-194865) 960724
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 [51] Int.Cl. 6 H04L 29/02 G06F 13/14
 [54] DATA PROCESSING SYSTEM AND DATA PROCESSING METHOD
 [54] SYSTEME ET METHODE DE TRAITEMENT DE DONNEES
 [72] MAEGAWA, Hirotoshi, Japan/Japon
 [71] Digital Vision Laboratories Corporation, Japan/Japon
 [21] **2,199,103** [22] 970304
 [43] 970905
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